FIG. 1 prior art

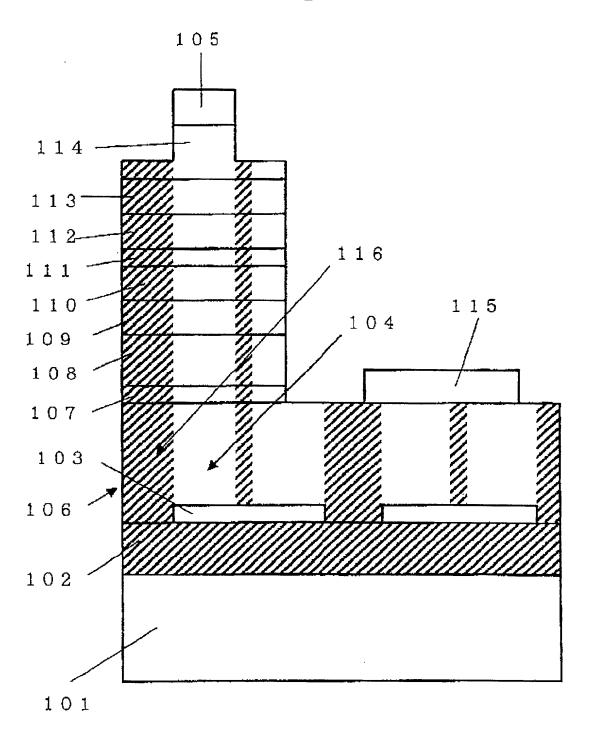


FIG. 2 prior art

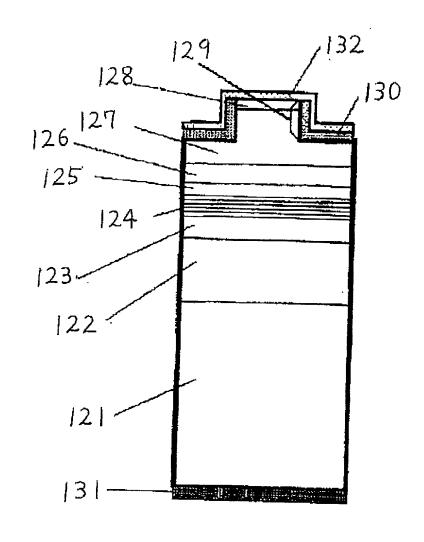


FIG. 3 prior art

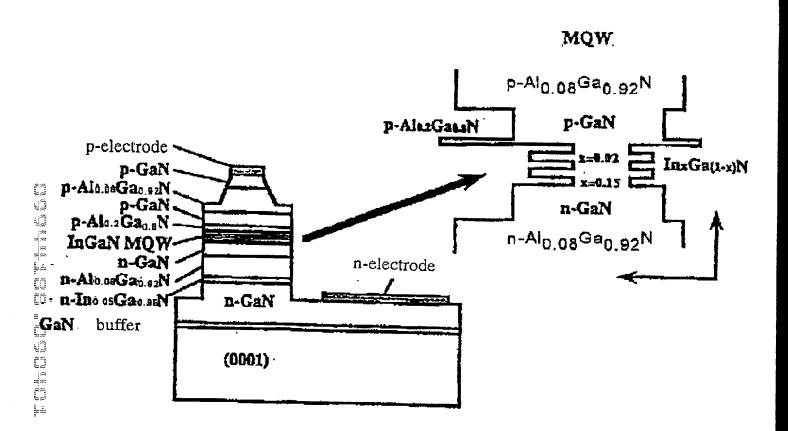


FIG. 4

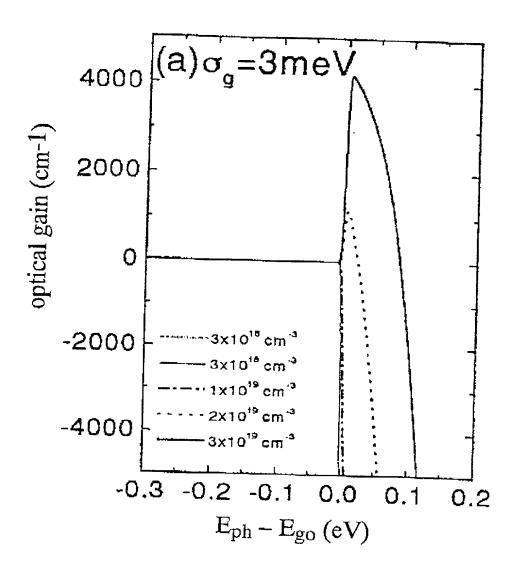
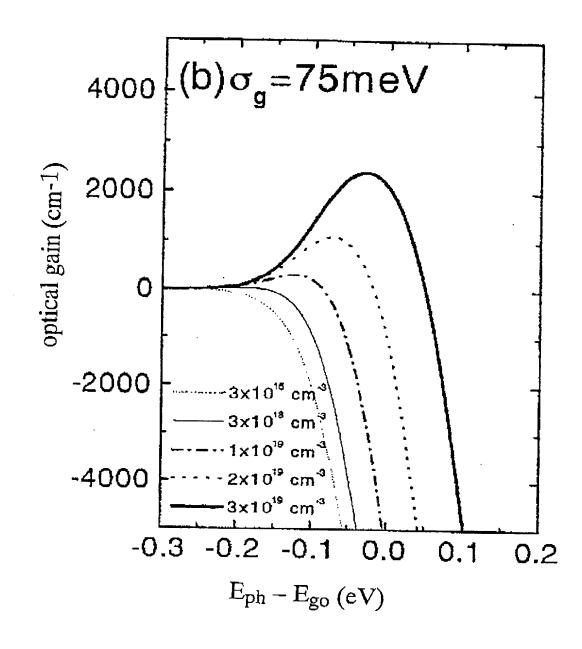


FIG. 5



The first to the first first factor of the first form of the first to the first first factor for the first factor for the first first factor for the first factor factor for the first factor f

FIG. 6

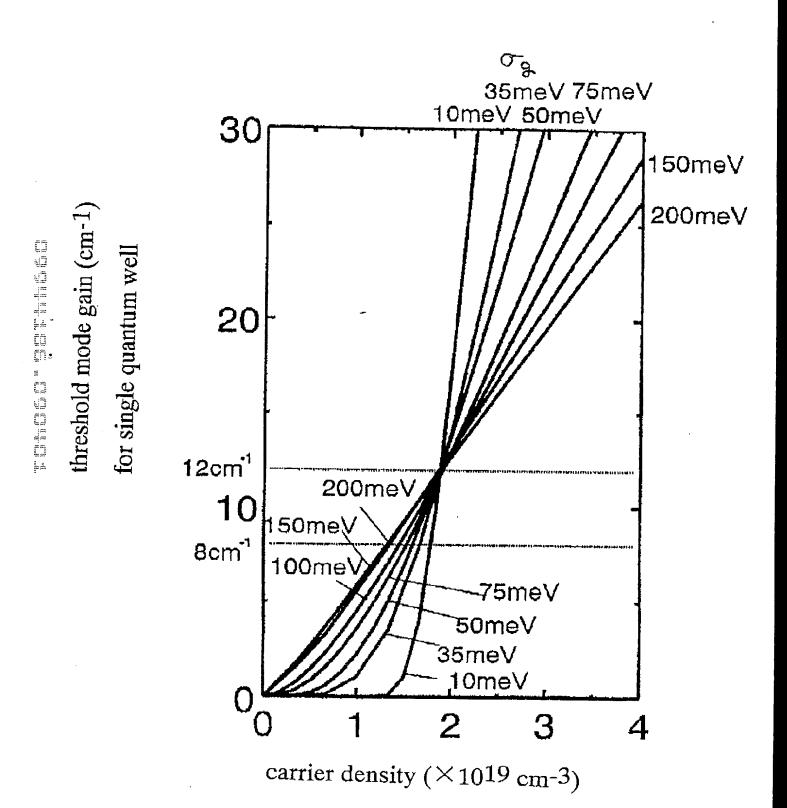
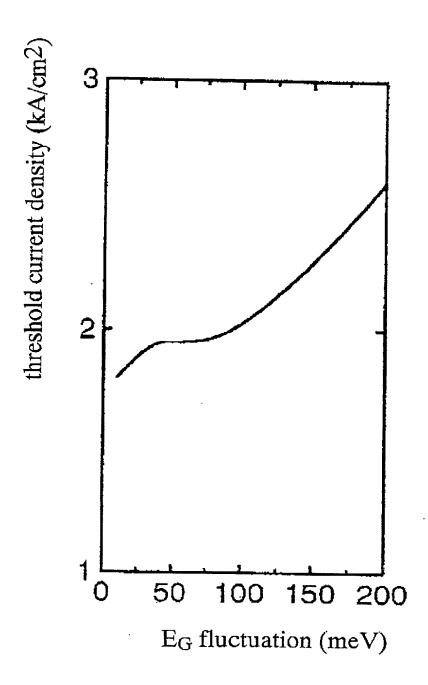


FIG. 7



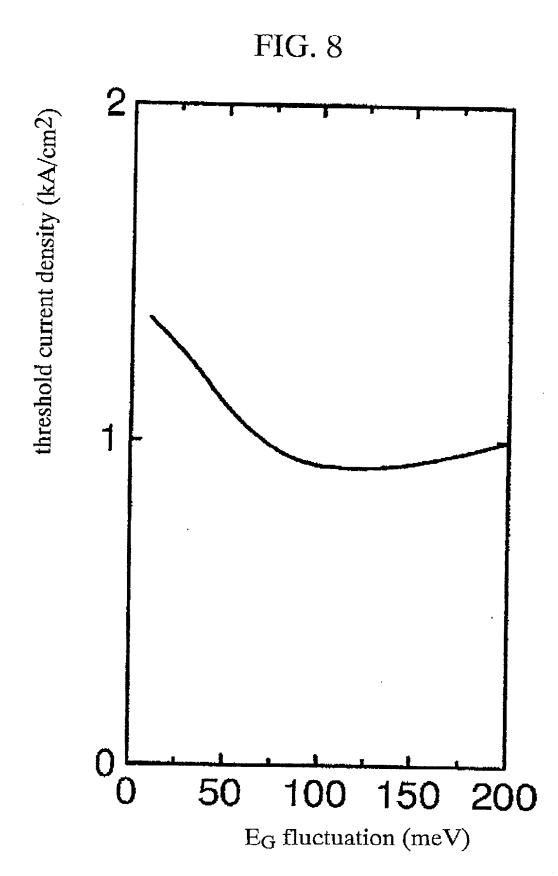


FIG. 9

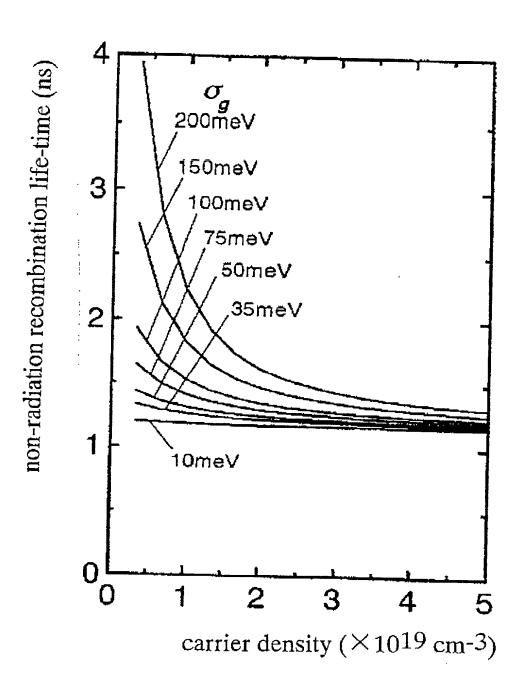
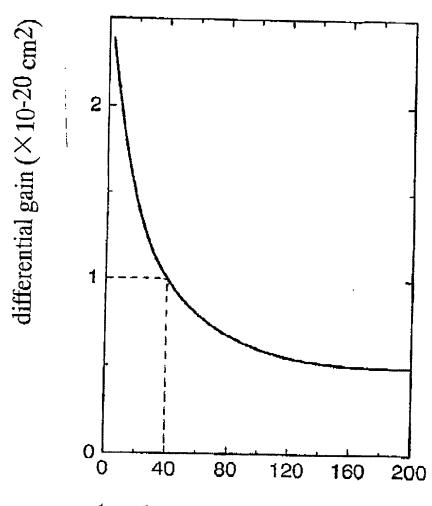


FIG. 10



band gap energy fluctuation $\sigma_{g}(meV)$

FIG. 11

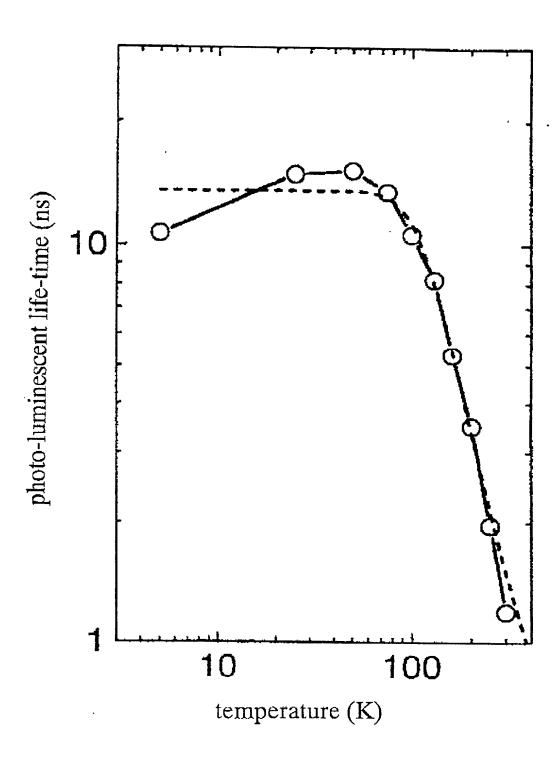


FIG. 12A

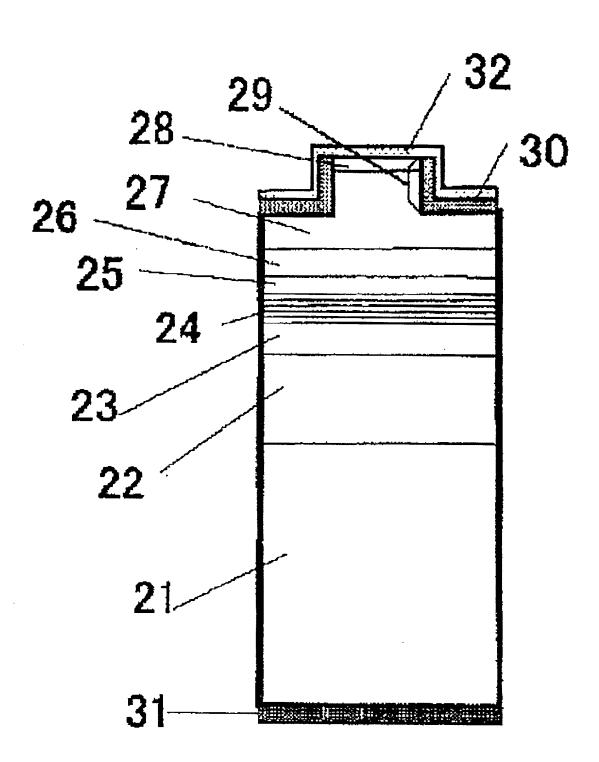


FIG. 12B

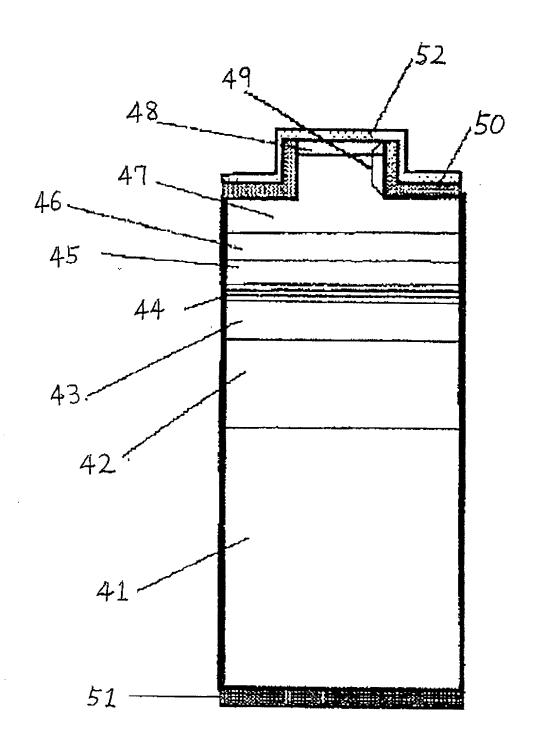


FIG. 13

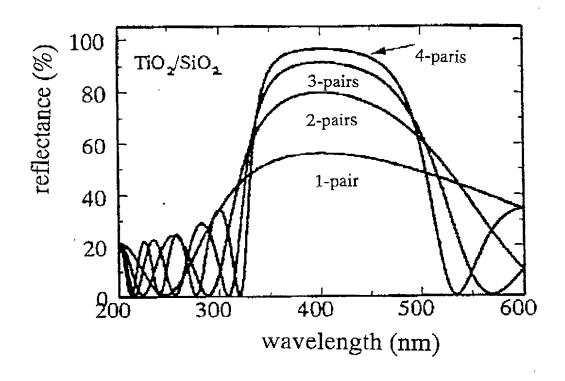
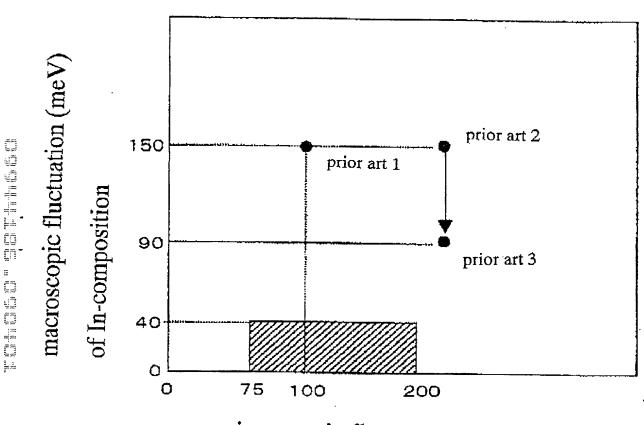


FIG. 14



microscopic fluctuation (meV) of In-composition

FIG. 15

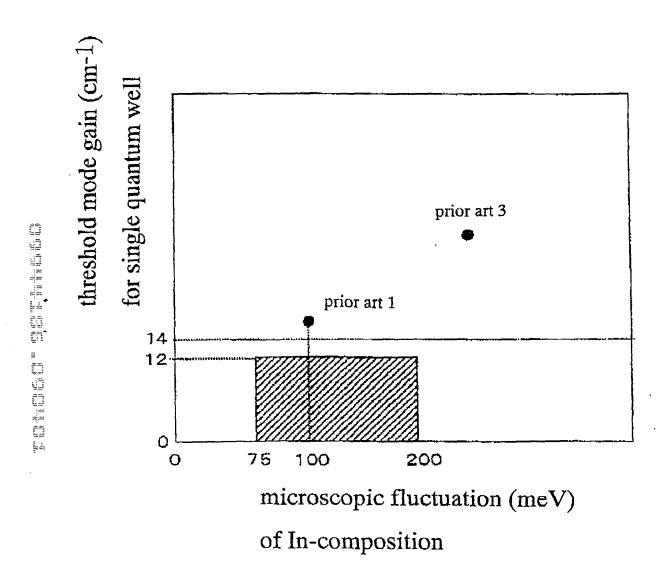
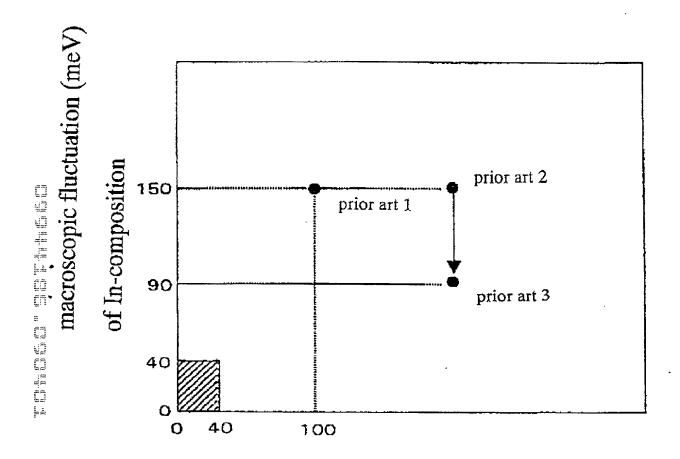


FIG. 16



microscopic fluctuation (meV) of In-composition

FIG. 17

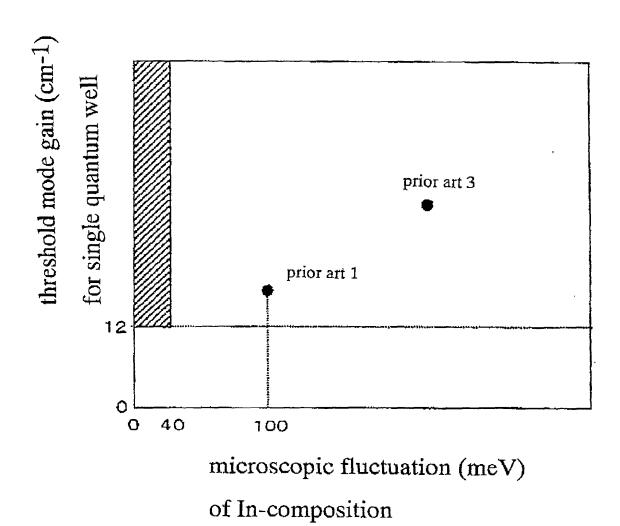
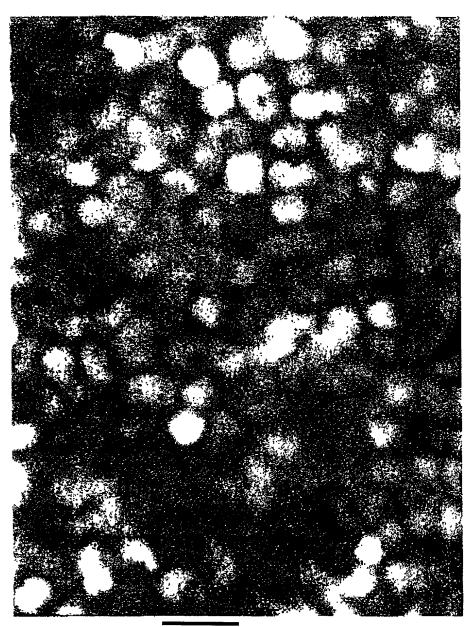


FIG. 18



990nm